

[illegible]

RESUBMIT 3
US 09-252-991A-5611
US 09-252-991A-5611
Sequence No. 5611
Patent No. 5651795
GENERAL INFORMATION: Rheinfeld et al.
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERIGMONAS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 10/196,116 US 05/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIORITY FILING DATE: 1999-02-18
PRIOR FILING DATE: 1989-04-18
PRIOR FILING DATE: US 60/074,788
PRIOR FILING DATE: 05/09/94,100
PRIOR FILING DATE: 1999-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 5631
SEQ ID NO 2939
LOCUS: 2939
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-5601

Query Match	Score	DB #	Length
12.8%	54.4	4	1299
Best Local Similarity	49.1%	Pred. No. 0.015	

[illegible]

Sequence 5600, Application US/09252991A
Patent No. 6531795
GENERAL INFORMATION: Rubenfeld et al.,
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELAT-
IVE TO THE GENES FOR THE HLA CLASS II ANTIGENS DR AND DQ
TITLE OF INVENTION: ANTIGENS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 1011616 US/09/352,991A
CURRENT APPLICATION NUMBER: 09/252,991A
PRIORITY DATE: 1999-02-18
PRIORITY DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-02-27
PRIORITY DATE: 1998-02-27
PRIORITY ID NO.: 31342
SEQUENCE NO 5600
LENGTH: 1611
TYPE: DNA
ORGANISM: *Pseudomonas aeruginosa*
Accession No. AF000001
09-252-991A-5600

[illegible]

RESULT 7
US-09-252-991A-5605
; Sequence-5605, Application US/092529911

PATENT NO. 5651795
 GENERAL INFORMATION: Rosenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND LAMINO ACID SEQUENCES RELATING TO THE GENES FOR THE ENZYME 5-HYDROXYMETHYLGLUTARATE CO-DEHYDROGENASE
 TITLE OF INVENTION: AEROBIOGENA FOR DIAGNOSTICS AND THERAPEUTICS
 FILE NUMBER: 07/184,000, 07/184,002, US/09/252,993A
 CURRENT FILING DATE: 1989-02-18
 PRIORITY FILING DATE: 1989-02-18
 PRIORITY APPLICATION NUMBER: US 60/074,788
 PRIORITY FILING DATE: 1988-06-01
 PRIORITY APPLICATION NUMBER: US 60/096,190
 PRIORITY FILING DATE: 1988-07-27
 NUMBER OF SEQ. ID NOS: 33142
 SEQ. ID NOS: 5605
 INVENTOR: ROSENFIELD, 2118
 ORGANISM: *Aerobioana aeruginosa*
 US-09-252-993A-5605

RESULT 6
US-09-252-991A-5600/c

Query Match	12.8%	Score 54.4;	DB 4;	Length 2118
Best Local Similarity	49.1%	Pred. No. 0.015;		

Matches 173; Conservative 0; Mismatches 176; Indels 3; Gaps 1;
 Oy 63 GGGGCTGGAGATGACGAGATGATGGGCGAGCGGCTGCGAGAGAGACCGAGACACTG 122
 Db 565 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 524
 Oy 123 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 182
 Db 625 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 684
 Oy 183 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 242
 Db 685 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 741
 Oy 243 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 302
 Db 742 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 801
 Oy 303 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 362
 Db 802 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 861
 Oy 363 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 424
 Db 862 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 913

RESULT 8
 US-09-252-991A-3645
 Sequence 3645; Application US/09252991A
 Patent No. 6551795

GENERAL INFORMATION:
 APPLICANT: Rubinfeld et al.
 TITLE OF INVENTION: NUCLEIC ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196.136
 CURRENT FILING DATE: US 09/252,991A
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 3645
 TYPE: DNA
 ORIGIN: Pseudomonas aeruginosa
 US-09-252-991A-3645

Query Match Beat Local Similarity 47.3%; Score 52; DB 4; Length 939;

Matches 194; Conservative 0; Mismatches 210; Indels 6; Gaps 1;
 Oy 14 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 107
 Db 348 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 407
 Oy 74 TGAACAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 133
 Db 408 TGAACAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 467
 Oy 134 AGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 193
 Db 468 AGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 527
 Oy 194 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 253
 Db 528 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 587
 Oy 254 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 313
 Db 588 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 647

Oy 314 AGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 373
 Db 648 AGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 701
 Oy 374 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 433
 Db 702 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 751

RESULT 9
 US-09-252-991A-3697
 Sequence 3697; Application US/09252991A
 Patent No. 6551795

GENERAL INFORMATION:
 APPLICANT: Rubinfeld et al.
 TITLE OF INVENTION: NUCLEIC ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196.136
 CURRENT FILING DATE: US 09/252,991A
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 3697
 TYPE: DNA
 ORIGIN: Pseudomonas aeruginosa
 US-09-252-991A-3697

Query Match Beat Local Similarity 12.2%; Score 52; DB 4; Length 1081;

Matches 194; Conservative 0; Mismatches 210; Indels 6; Gaps 1;
 Oy 14 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 73
 Db 419 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 478
 Oy 74 TGAACAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 133
 Db 479 TGAACAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 193
 Oy 134 AGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 253
 Db 519 AGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 578
 Oy 254 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 313
 Db 659 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 718
 Oy 314 AGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 373
 Db 719 AGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 772
 Oy 374 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 433
 Db 773 GGGGCTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 822

RESULT 10

US-09-252-991A-3812/C
 Sequence 3812; Application US/09252991A
 Patent No. 6551795
 GENERAL INFORMATION:
 APPLICANT: Rubinfeld et al.
 TITLE OF INVENTION: NUCLEIC ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196.136

us-09-855-340b-2.rpt

Query Match

?

32

3

3

23

Pat

100

2000 1000

Figure 1

g. 1860

100

NAME: Plant, Thomas, G.
REGISTRATION NUMBER: 35,784
REFERENCE/DOCKET NUMBER: X-8231

SEQUENCE CHARACTERISTICS:

MOLECULE TYPE: DNA (genomac

NAME/KEY:	CDS
LOCATION:	14046 20036

NAME/KEY: CDS

LOCATION: 38132, 174000
08-804-227C-7

ATCHES 147; COLIBES VACATV

74 TGACCAAGAGCGAGTTGGC

26129 CCGCGACACGAGCCTG

1000

3
4
5

GENERAL INFORMATION:
REPORTANT: Butteff, Stanley

TITLE OF INVENTION: PLATED

US-09-855-340b-2.rn1

Overall Match 11.8%; Score 50.4; DB 4; Length 5001;

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Query: 123, Conserved: 0, Mismatches: 121, Indels: 0, Gaps: 0
Best Local Similarity: 50.4%, Pred. No. 0.11,
Query: 123, Conserved: 0, Mismatches: 121, Indels: 0, Gaps: 0
```

74 TGACCAAGACGAGTTGGCCAGGCCATCTCCAGAAAGACCGGGCCACCGTCCGCGCGGTGGG 133

2591 TGGCCCTGCGGCTGTCTCGCCCGCGTGGACTTGGACAGAGAGCCGCGCCGAGAGGGACAGCCCTGG 2603

2651 AGGCTACAAACGGCGATTGATGCCGACCCGCGGCATGCGCGGCTGGCCTTCGTGCTGG 2711

194 GCCTGACCTCGAAGAACCCCTGCACGCCGGCAAGTCTGCGAGCCCCGAGGTCAATCCCGCAG 250
 ||| | | | | | | | | | | | | | |
 271 AGCAGGCTTCGAGGACGAGGCGTGAAACCGCACGGGCTTGCGCGCATTAACCATGCGGC 277

DG
671 AGCGGCCCTCCGGCATTTCAGTATTTGTCTTCACTAATGCACAACTTG
OY
254 CGACCACAACATGAGCTGACGAGCAATGAGCTGTCCGACCAACCCGAAGCTGG 313

2771 TGGCATCCGCGCAGACGCGCGAGGCCCTGAGAGATCTGCTGCGGCACACCGCCGAGCTGG 283

QY	314	ALCOA	317
DB	2831	CG&A	2834

RESULT 15

US-09-266-965-74
Sequence 74, Application US/09266965
Patent No. 6495348
ATTORNEY'S SIGNATURE

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; GENERAL INFORMATION:
; APPLICANT: Sherman, D
; APPLICANT: Mao, Y
; APPLICANT: Mao, Y

```

APPLICANT: Vargiu, M
APPLICANT: He, M
APPLICANT: Sheldon, P
APPLICANT: Mitomycin biosynthetic gene cluster

TITLE OR INVENTION: MULTICOLOR PHOTOGRAPHY
FILE REFERENCE: 600.456U1
CURRENT APPLICATION NUMBER: US/09/266,965
PUBLICATION DATE: 1999-03-12

CURRENT FILING DATE: 1996-03-28
EARLIER APPLICATION NUMBER: US 08/624,447
EARLIER FILING DATE: 1996-08-19
APPLICATION NUMBER: PCT/US94/11279

```

1 EARLIER APPLICATION NUMBER: 2007-0007-1
2
3 EARLIER FILING DATE: 1994-10-06
4
5 EARLIER APPLICATION NUMBER: US 08/133,963
6
7 FILING DATE: 1993-10-07

```

```

; EARLIER FILING DATE: 1997-10-01
; NUMBER OF SEQ ID NOS: 145
; SOFTWARE: FastSeq for Windows Version 3.0
;

```

```

: SEQ ID NO: 4
:
: LENGTH: 12249
:
: TYPE: DNA

```

ORGANISM: Streptomyces Iavendulae
US-03-266-965-74

Query Match	11.8%	Score 20.1	GC 47	GC 53
Best Local Similarity	47.5%	Pred. No. 0.11		
Matches 150; Conservative	0;	Mismatches 166;	Indels 0;	Gaps 0;

99 CATCCAGAGGACCGGGCCACCGTCGGCGGTGGAGAGACGGCAGAACCGGCGCGACCA 15

D5
8215 CCGTCAGCAGGACCCATCATCACCACTTGTGGTTTGCTGC

G7
159 CGCGGACCCTGTTTTCCCCCGTTGCCCAAGATTGGAACCTCGAAGAAGCCCCTGCG 2

db 8275 GAAAGACCGAGAGTCCCTGCGGCTCGATGACCGGCGCAACGAGACCGGCGGCTT 8

[illegible][illegible]

Search completed: April 15, 2005, 19:15:57
Job time : 96.1904 sec8

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CURRENT FILING DATE: 2001-09-12
 PRIOR APPLICATION NUMBER: PCT/US00/06394
 PRIOR FILING DATE: 2000-03-10
 PRIOR APPLICATION NUMBER: 09/269645
 NUMBER OF SEQ ID NOS: 153
 SOFTWARE: FASTSO For Windows Version 4.0
 SEQ ID NO 76
 LENGTH: 53500
 TYPE: DNA
 ORGANISM: Streptomyces lavendulae
 US-09-953-348-76

Query Match 15.1% Score 64.4; DB 10; Length 53500;
 Best Local Similarity 51.0%; Pred. No. 3,4e-07;
 Matches 152; Conservative 0; Mismatches 146; Indels 0; Gaps 0;

DB 92 CCAAGGCGATCCAGAGAGACGGGCGACGCTGCGGAGCGAGAGACGAGACGCGC 151
 DY 43516 CCGAGCGCGGCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC 151
 DY 153 CCGAGCGCGGCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC 211
 DB 43576 CCGAGCGCGGCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC 43535
 DY 212 CCTCCGCGCGCGAGGCTCGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 271
 DB 43636 TCGACGACGATCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC 43595
 DY 272 TCGACGACGATCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC 331
 DB 43696 TCGACGACGATCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC 43755
 DY 332 GCATCATCTCCCTAACTCGAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 389
 DB 43756 TGTCTCTGTGCG 43813

RESULT 5
 US-10-267-255-76
 Application US/10437255
 Publication No. US2001024689AL
 GENERAL INFORMATION:
 APPLICANT: Sheehan, D
 APPLICANT: Sheehan, M
 APPLICANT: Wargolis, M
 APPLICANT: He, M
 APPLICANT: Sheldon, P
 TITLE: Protein bioglycemic gene cluster
 FILING REFERENCE: 400 435681
 CURRENT FILING DATE: 2002-10-09
 PRIOR FILING DATE: 1999-03-02 09/266,965
 PRIOR APPLICATION NUMBER: US 08/624,447
 PRIOR FILING DATE: 1996-08-19
 PRIOR FILING DATE: 1995-03-02 08/54,117/9
 PRIOR FILING DATE: 1994-10-05
 PRIOR APPLICATION NUMBER: US 08/133,963
 PRIOR FILING DATE: 1993-10-07
 SOFTWARE: FASTSO For Windows Version 3.0
 SEQ ID NO 76
 LENGTH: 53500
 TYPE: DNA
 ORGANISM: Streptomyces lavendulae
 US-10-267-255-76

Query Match 15.1% Score 64.4; DB 15; Length 53500;
 Best Local Similarity 51.0%; Pred. No. 3,4e-07;
 Matches 152; Conservative 0; Mismatches 146; Indels 0; Gaps 0;
 92 CCAAGGCGATCCAGAGAGACGGGCGACGCTGCGGAGCGAGAGACGAGACGCGC 151

DB 43516 CCGAGCGCGGCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC
 DY 152 CCGAGCGCGGCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC
 DB 43576 CCGAGCGCGGCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC
 DY 212 CCTCCGCGCGCGAGGCTCGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG
 DB 43636 TCGACGACGATCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC
 DY 272 TCGACGACGATCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC
 DB 43696 TCGACGACGATCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC
 DY 332 GCATCATCTCCCTAACTCGAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG
 DB 43756 TGTCTCTGTGCG

RESULT 6
 US-10-437-963-54677
 Sequence 54677; Application US/10437963
 Publication No. US2001023395AL
 GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Kovacic, David K.
 APPLICANT: Chou, Yuhshun
 APPLICANT: Wu, Wei
 APPLICANT: Boukhartov, Andrey A.
 APPLICANT: Bernbaum, Brad
 TITLE OF INVENTION: Plant and Uses Thereof for Plant Improvement
 TITLE REFERENCE: Plant and Uses Thereof for Plant Improvement
 FILING REFERENCE: 400 437963
 CURRENT FILING DATE: 2003-05-14
 NUMBER OF SEQ ID NOS: 204966
 SEQ ID NO 54677
 LENGTH: 1033
 TYPE: DNA
 ORGANISM: Oryza sativa
 PATENT INFORMATION: clone ID: PNT_M075510_56756C.1
 US-10-437-963-54677

Query Match 14.8% Score 63.4; DB 18;
 Best Local Similarity 54.8%; Pred. No. 7e-07;
 Matches 121; Conservative 0; Mismatches 96; Indels 0; Gaps 0;
 96 GCATCATCTCCCTAACTCGAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG
 DY 332 GCATCATCTCCCTAACTCGAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG
 DB 43516 CCGAGCGCGGCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC
 DY 152 CCGAGCGCGGCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC
 DB 43576 CCGAGCGCGGCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC
 DY 212 CCTCCGCGCGCGAGGCTCGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG
 DB 43636 TCGACGACGATCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC
 DY 272 TCGACGACGATCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC
 DB 43696 TCGACGACGATCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC
 DY 332 GCATCATCTCCCTAACTCGAGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG
 DB 43756 TGTCTCTGTGCG
 579 CCGAGCGCGGCTCGCGAGACCGGCGACGCTGCGGAGCGAGAGACGAGACGCGC 615

Mon Apr 18 09:47:30 2005

us-09-855-340b-2.rtf

QY 276 CGAGGAAATCGAGCTGGTCCGACAGACCCCAAGCTTGAACGAGCATGAACGCGGCAAT 335
Db 438 GATGAAATCTCGGACGCGCGGCTGGACAGCGCACTCAAGCTGACATCAGGAGTTGAT 497
QY 336 CATGGCGCTAATC 348
QY 498 GATGCGCCCATC 510

RESULT 10
US-10-156-761-4348

Sequence 4348, Application No: US1056761
Publication No: 201603011501348
APPLICANT: OMURA, SATOSHI
APPLICANT: IJEDA, HARUO
APPLICANT: HORIKAWA, HIROSHI
APPLICANT: SHIMA, TADAYOSHI
APPLICANT: SAKAKI, YOSHIYUKI
TITLE OF INVENTION: MODEL POLY(ETHYLENE TEREPHTHALATE) FILLS
CURRENT APPLICATION NUMBER: US/10/156,761
PRIORITY NUMBER: JP 2015-03001-278657
PRICING FILING DATE: 2011-05-10 2001-278657
PRICING APPLICATION NUMBER: JP 2001-2004069
PRICING FILING DATE: 2001-08-02
NUMBER OF SEQ ID NOS: 15109
SEQ ID NO 4348
TYPED DATA
ORGANISM: Streptococcus avermitilis
FEATURE: CDS
LOCATION: (1)...(1365)
US-10-156-761-4348

Query Match	13.84	Score 58.6	DB 15	Length 1365
Best Local Similarity	49.5%	Pred. No. 1.5e-05		
Matches 151	Conservative	0	Mismatches 154	Indels 0
				Gaps 0

[illegible]

RESULT 11
US-10-156-761-1
; Sequence 1, Application US/10156761
; Publication No. US20030119018A1

GENERAL INFORMATION: SANOJO
APPLICANT: KIKO, HARUO
APPLICANT: ISHIMURA, JUNJI
APPLICANT: KOSHIMURA, HIROSHI
APPLICANT: SUGA, TOSHIYUKI
APPLICANT: YAMAGUCHI, KAZUHIRO
APPLICANT: HATTORI, YASUHIKA
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249,252; ABSTRACT: 04/05/16, 761
CURRENT FILING DATE: 2000-05-28
PRIORITY APPLICATION NUMBER: JP 2001-204069
PRIORITY FILING DATE: 2001-06-30
PRIORITY FILING DATE: 2001-08-02
PRIORITY FILING DATE: 2001-08-25
NUMBER OF SEQ ID NOS: 15109
SEQ ID NO 1

OTHER INFORMATION: a, c, c, g, other or unknown
US-10-156-761-1

Query Match	13.8%	Score 58.6	DB 15:	length 9035608
Best Local Similarity	49.5%	Pred. No. 5.3e-067		
Matches 151: Conservative	0:	Mismatches 154:		Indels 0:

[illegible]

RESULT 12
US-10-156-761-1/c
; Sequence 1, Application US/1015676
; Publication No. US20030119018A1

GENERAL INFORMATION:
APPLICANT: OKURA, SAORUHI
APPLICANT: OKURA, SAORUHI
APPLICANT: ICHIKAWA, JIM
APPLICANT: HORIKAWA, HIROSHI
APPLICANT: SHIHA, TADAYOSHI
APPLICANT: SAKAKI, YOSHIOYUKI
APPLICANT: HAYASHI, MASAHARU
TITLE OF INVENTION: NOVEL BOLT/ROCKET/OTDR IDES
FILE REFERENCE NUMBER: 2002-08-59, 05/10/56, 76166
CURRENT FILING DATE: 2002-08-29
PRIOR APPLICATION NUMBER: JP 2001-204089

Mon Apr 18 09:47:30 2005

us-09-855-340b-2.11pb

[illegible]

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QY      384  CCGCAGCAGAGGGGGGGGGCAGT 384
          |||||
DB      1090  CTCGGCAGCTGGTGATGATC 110
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Search completed: April 15, 2005, 22:51:17
Job time : 339.016 secs

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RESUBMIT 15
 Sequence 6116, Application US/10156761
 Publication No. US20090119101A1
 GENERAL INFORMATION:
 APPLICANT: IDEMA, HARDO
 APPLICANT: HORIKAWA, HIROSHI
 APPLICANT: HORIKAWA, HIROSHI
 APPLICANT: SAKAKI, TOSHIOYUKI
 APPLICANT: HATTORI, MASASHITA
 TITLE OF INVENTION: NOVEL POLYACETYLENEDIBENZOTRIAZENES
 CURRENT FILING DATE: 2002-05-28
 CURRENT FILING DATE: 2002-05-28
 PRIOR FILING DATE: 2002-05-28
 PRIOR FILING DATE: 2001-08-02
 PRIOR FILING DATE: 2001-08-02
 NUMBER OF SEQ ID NOS: 15109
 SEQ ID NO 6116
 TYPE: DNA
 ORGANISM: Streptomyces avermitilis
 PRVATE: GDS
 LOCATION: (11: 1-559)
 US-10-16-761-6116

[illegible]

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XX secondary metabolic pathway; ds.
 XX Micromonospora carbonacea.
 XX
 XX Key Location/Qualifiers
 XX misc_feature /tag="a
 XX /note="actp region"
 XX repeat_region 145..162
 XX /rpt-type="INVERTED
 XX /note="inverted repeat 1 (IR1)"
 XX repeat_region 167..186
 XX /rpt-type="INVERTED
 XX /note="inverted repeat 2 (IR2)"
 XX
 XX MO200187936-A2.
 XX 22-NOV-2001.
 XX 15-MAY-2001, 2001MO-US0015760.
 XX 17-MAY-2000, 2000US-0204670P.
 XX (SCIE) SCHERING CORP.
 XX Hosted TJ, Horan AC;
 XX WPI, 2002-082983/11.
 XX Novel polynucleotides encoding integrase, excisionase and an integrase
 XX attachment site isolated from a lysogenic phage phiU1, useful for
 XX transforming an actinomycete.
 XX Example 3: Fig 4(34pp; English).
 XX The present invention relates to novel polynucleotides encoding integrase
 XX and excisionase (xis) and an integrase attachment site (actp) which
 XX are isolated from phiU1, a bacteriophage (lysogenic phage) isolated from
 XX Micromonospora carbonacea var. africana. Polynucleotides isolated from
 XX phiU1 are useful for transforming a host cell. These are also
 XX useful for transfecting a host cell for site-specific integration into host
 XX genomes. The integrating vectors are used to express actinomycete
 XX products such as hybrid actinomycete. The present sequence is phiU1 actp
 XX DNA from Micromonospora carbonacea.
 XX
 XX Sequence 209 BP; 49 A; 64 C; 56 G; 30 T; 0 U; 0 Other;
 XX Query Match 50.6%; Score 125; DB 6; Length 209;
 XX Best Local Similarity 100.0%; Pred. No. 1.5e-22;
 XX Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 XX
 XX 1 TGTGGGATACCCATCCCGGAAACCCGCGACATCCCGATACGACGACGACG 60
 XX Db 1 TGTGGGATACCCATCCCGGAAACCCGCGACATCCCGATACGACGACGACG 60
 XX 61 GTGCGATGATCCATCCCGGAAACCCGCGACATCCCGATACGACGACGACG 120
 XX Db 61 GTGCGATGATCCATCCCGGAAACCCGCGACATCCCGATACGACGACGACG 120
 XX 62 GTGCGATGATCCATCCCGGAAACCCGCGACATCCCGATACGACGACGACG 120
 XX 63 GTGCGATGATCCATCCCGGAAACCCGCGACATCCCGATACGACGACGACG 120
 XX
 XX 121 ACCCG 125
 XX 121 ACCCG 125
 XX Db 121 ACCCG 125
 XX
 XX RESULT 4
 XX AAS08694 standard DMM, 1388 BP.
 XX ID AAS08694 standard DMM, 1388 BP.
 XX AC AAS08694.
 XX

DT 11-SEP-2003 (revised)
 DT 26-SEP-2001 (first entry)
 XX
 XX Micromonospora DNA encoding integrase enzymes.
 XX
 XX Evenimonicin; antibiotic; bottle-neck gene; orthomycin; fermentative
 XX integrase; ds.
 XX Micromonospora sp. ATCC 39149.
 XX
 XX Key Location/Qualifiers
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 XX MO200151639-A2.
 XX 19-JUN-2001.
 XX 12-JAN-2001, 2001MO-US001187.
 XX 12-JAN-2000, 2000US-0175751P.
 XX (SCIE) SCHERING CORP.
 XX Hosted TJ, Horan AC; Wang TX;
 XX WPI, 2001-442147/4.
 XX P-520B; AMU4900; AMU4912.
 XX New nucleic acid molecules encoding evenimonicin pathway genes proceed
 XX useful for improving yields of evenimonicin, to produce new
 XX evenimonicin and as probes to identify homologous sequences.
 XX Class 26; Fig 7, 10pp; English.
 XX The sequence encodes 2 integrase which permit site specific integ
 XX of a vector into a host cell. A Micromonospora, gen
 XX of a vector relates to nucleic acids and vectors comprising a M.
 XX carbonacea evenimonicin biosynthetic pathway resistance gene prod
 XX useful for selecting for a transformed or transduced cell. A M.
 XX integrase variant gene (a bottle-neck gene) into an actinomycete
 XX the genes Micromonospora. The DNA encoding the biosynthetic prot
 XX useful for synthesizing novel evenimonicin-related compounds (acyl
 XX from modification of nucleic acids groups contained in evenimonicin, for
 XX evaluation, diagnosis and preferably biosynthesis of novel even
 XX other secondary metabolic products and also as a hybridization pr
 XX identity homologous sequences. The encoded polypeptides are useful
 XX combinatorial biosynthesis to generate libraries of or the DNA and
 XX evenimonicin analogs for increasing a given gene dosage. The integ
 XX of choice into chromosomes of different hosts to generate novel pr
 XX which increased antibiotics or other novel secondary metabolites. T
 XX vector can also be used to integrate antibiotic resistance genes i
 XX to carry out bioconversion with compound antibiotic resistance genes i
 XX normally used in fermentation processes in Micromonospora strains
 XX e.g., Streptomyces antibiotics. (Updated on 11-SEP-2003 to standar

NOTE: This is a working draft; sequences, if currently available, are not necessarily identical to the consensus sequences. The number of reads between the contigs is believed to be correct, as given, however the sizes of the gaps between them are based on estimates that have been provided by the submitter.

This sequenced genome sequence, as shown, is available and the accession number will be preserved.

1	25094	contig of 55084 bp in length
25095	25194	gap of 100 bp in length
25195	25294	gap of 100 bp in length
25295	37921	gap of 100 bp
37922	120161	contig of 82313 bp in length
120162	120313	gap of 100 bp
120314	120365	gap of 100 bp
120366	120380	contig of 100380 bp in length
120381	120391	contig of 100391 bp in length
120392	120401	contig of 45770 bp in length
120402	120410	gap of 100 bp
120411	120420	gap of 100 bp
120421	120430	contig of 19382 bp in length.

ORIGIN

De

[illegible]

ORIG

[illegible]

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REFERENCE	AC073128	55950 bp	DNA			
AUTHORS	Homo sapiens BAC clone RP11-64705 from 2,					
JOURNAL	AC073128.s G1:21694410					
TITLE	HTO.					
KEYWORDS	Homo sapiens (human)					
CROSSREF	Mammalia; Mammalia; Chordata; Cetartia; Vertebrates; Hncaestromi;					
REFERENCE	Nallabattu; Subtelaria; Primates; Canariis; Homindae; Homo.					
AUTHORS	Soll (base) 1 to 55590					
TITLE	To test a complete human genome sequence					
REFERENCE	Genome Res. 8 (11), 1097-1108 (1998)					
JOURNAL	99063192					
AUTHORS	2 (bases 1 to 55590)					
TITLE	Harris,A. and Kozlovicz.A.					
REFERENCE	The sequence of Homo sapiens BAC clone RP11-64705					
AUTHORS	3 Republished (2001)					
TITLE	Waterston,R.H. 55590					
JOURNAL	Direct Submission					
REFERENCE	Submitted (06-JUN-2000) Genome Sequencing Center, Washington					
AUTHORS	MO 53106 USDOH, of Medicine, 4444 Forest Park Parkway, St. Louis,					
TITLE	4 (bases 1 to 55590)					
REFERENCE	Waterston,R.H.					
JOURNAL	Submitted (13-MAY-2002) Genome Sequencing Center, Washington					
TITLE	University School of Medicine, 4444 Forest Park Parkway, St. Louis,					
AUTHORS	MO 61106 USA					
REFERENCE	Waterston,R.H. 55590					
TITLE	Direct Submission					
JOURNAL	Submitted (04-JUL-2002) Genome Sequencing Center, Washington					
AUTHORS	University School of Medicine, 4444 Forest Park Parkway, St. Louis,					
TITLE	MO 61106 USA					
REFERENCE	Waterston,R.H.					
TITLE	6 (bases 1 to 55590)					
JOURNAL	Waterston,R.					
REFERENCE	Submitted (2002) Department of Genetics, Washington					
AUTHORS	University, 4444 Forest Park Avenue					
TITLE	On Jul 4, 2002 this sequence version replaced g120864458.					
JOURNAL	COMMENT					
AUTHORS	Center - W. Genome Center					
TITLE	Center code: WDSC					
REFERENCE	Web site: http://genome.wustl.edu					
JOURNAL	Center code: WDSC					
TITLE	Center project name: T1M080505					

ORIGIN

Center: Whitehead Institute/ MIT Center for Genome Research
 Accession code: M13
 NCBI accession number: M13
 Contact: sequencing@wi.mit.edu
 Project Information
 Center project name: L7459
 Center clone name: 504.G.11
 Summary Statistics
 Sequencing vector: M13; M77615; 100% of reads

[illegible]

[illegible]

Mon Apr 18 09:47:32 2005

ue-09-855-340b-6.rge

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DB 53337 CGGACTTGAAGAGGAGCTCCGAGGAGTACGAGACGAGAGCTCGATCGAGAGGAGCTGAGC 53396
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DB 53457 GCG 53459
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Search completed: April 15, 2005, 16:46:06
Job time : 1940 secs

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Mon Apr 18 09:47:33 2005

US-09-855-340b-6.rmpb

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GenCode version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

ON nucleic - nucleic search, using sw model

Run on:

April 15, 2005, 17:44:42 ; Search time 514 Seconds
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Title: US-09-855-340b-6

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Scatched: 562541 seqs, 30335566 residues

Total number of hits satisfying chosen parameters: 1145082

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Post-processing: Minimum Match 18

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Published Applications NA *

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6 41.4 16.8 394 18 US-10-437-963-179105 Sequence 7,1105
7 41.2 16.7 801 18 US-10-437-963-179105 Sequence 7,1105
8 40 16.2 1767 18 US-10-156-761-4150 Sequence 4,2893
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11 39.8 16.1 813 15 US-10-156-761-4150 Sequence 4,2893

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3 38.6 15.6 212 18 US-10-156-761-906 Sequence 906
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RESULT 2

Seq# 853540-4
 Application/US 09853540
 Patent No. US20020056788A1
 GENERAL INFORMATION
 INVENTOR: Horan, Ann C.
 APPLICANT: Horan, Ann C.
 TITLE OF INVENTION: Isolation of Microspora carbonacea var affinis
 TITLE OF INVENTION: Polypeptide sequences and use of integrating function for
 TITLE OF INVENTION: Pathobacter and Microspora carbonacea chromosomes
 CURRENT APPLICATION: US/09/855,340
 CURRENT FILING DATE: 2001-05-15
 PRIOR FILING NUMBER: 60/204,670
 NUMBER OF SEQ ID NOS: 9
 DRAWING: Patent In. 2.1

RESULT 3

[illegible]

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: SOFTWARE: Patentia Ver. 2.1
: SEQ ID NO: 9
: LENGTH: 260
: TYPE: DNA
: ORGANISM: Micromonospora halophytica
US-09-855-340-9

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RESULT

US-10-425-115-73105
Publication US: 10/425115
GENERAL INFORMATION: 02/18/2011
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalick, David K.
APPLICANT: Cao, Yueshi
APPLICANT: Cao, Yueshi
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
CITE REFERENCE: 18/2153222/B
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 73105
LENGTH: 624
ORGANISM: *Zea mays*
FEATURE:
NAME/KEY: unare
LOCATION: (1)-(624)
FEATURE: COMPOSITION: unare at all 1 locations
OTHER INFORMATION: Clone ID: MEF4577_16672C.1
US-10-425-115-73105

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: Sequence 17794, Application US/10437963
: Publication No. US20040123343A1
: GENERAL INFORMATION:

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2	TITLE OF INVENTION:	Plants	
3	FILE REFERENCE:	39-21,513,222	US/11/425,115
4	CURRENT FILING DATE:	2003-04-28	
5	NUMBER OF SEQ ID NOS:	369326	
6	SEQ ID NO 35614		
7	LENGTH:	601	
8	ORGANISM:	<i>Zea mays</i>	
9	FEATURE:		
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14	Percent	90.011	
15	Length	601:	

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RESULT 8
Sequence 42920 / c : us / 1369493
Publication No. US0603023575M1
PUBLICATION NO. US0603023575M1
APPLICANT: CRO. YONGEAI
APPLICANT: Saites, Steven J.
APPLICANT: Goldman, Barry S.
APPLICANT:
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEIN IN PLANTS FOR P

[illegible]

US-10-437-963-30223

Query Match

15.64; Score 38.6; DB 18; Length 512;

Best Local Similarity

46.48; Pred. No. 6.068

Matches 83; Conservative 0; Mismatches 96; Indels 0; Gaps 0;

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 DB 472 GACGCGATGACCCCTCCGACAGGCGCGGATGAGTTTAAATTCCTGATGACCTGA 413
 Oy 128 CACAAAGCCCTCCGACAGGCGCGGATGAGTTTAAATTCCTGATGACCTGA 187
 DB 412 CTCCTGCCCCCGCCGACGCTCCGACAGGCGCGGATGAGTTTAAATTCCTGATGACCTGA 352
 Oy 188 GGTGCGCTCCGACAGGCGCGGATGAGTTTAAATTCCTGATGACCTGA 246
 DB 352 GGTGTGACCCCTCCGACAGGCGCGGATGAGTTTAAATTCCTGATGACCTGA 294

RESULT 15

US-10-156-761-306/C

Publications: 10159761

GENERAL INFORMATION:

APPLICANT: OMRA, SATOSHI

APPLICANT: OMRA, SATOSHI

APPLICANT: ISHIDA, YUKI

APPLICANT: HORIYAMA, HIROSHI

APPLICANT: SHIBA, TADAYOSHI

APPLICANT: HATTORI, MASAHISA

TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES

CURRENT FILING DATE: 2001-05-10

PRIOR FILING DATE: 2001-05-10

PRIOR FILING DATE: 2001-05-10

PRIOR FILING DATE: 2001-05-10

NUMBER OF SEQ ID NOS: 15109

SEQ ID NO: 506

TYPE: DNA

ORGANISM: Streptococcus avermitilis

FEATURE: CDS

LOCATION: (1) (2082)

US-10-156-761-806

Query Match

Best Local Similarity 57.04; Score 37.8; DB 15; Length 2082;

Matches 69; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

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 DB 467 CCGTACAGAGCCCTCCGACAGGCGCGGATGAGTTTAAATTCCTGATGACCTGA 408
 Oy 183 CAGGCGATGACCCCTCCGACAGGCGCGGATGAGTTTAAATTCCTGATGACCTGA 242
 DB 407 CCGGCGATGACCCCTCCGACAGGCGCGGATGAGTTTAAATTCCTGATGACCTGA 348
 Oy 243 G 243
 DB 347 G 347

Search completed: April 15, 2005, 19:10:14
 Job time : 539 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 16:20:17 ; search time 136 Seconds
(without alignments)

Title: US-09-855-3408-6

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Perfect Score: 24 /
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Maximum DB seq length: 20000000000

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pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

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Mon Apr 18 09:47:33 2005

us-09-855-340b-6.rml

DB 330 CCGCA 345

RESULT 11

US-09-283-471A-39/C

Patent No. 617047

Patent No. 617047

GENERAL INFORMATION:

APPLICANT: Roisman, Bernard

TITLE OF INVENTION: Method for Treating Tumorigenic Diseases

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: United States of America

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

SOFTWARE: IBM PC compatible

OPERATING SYSTEM: DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

PILING DATE: 08/49/283,471A

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/861,233

PILING DATE: 31-MAR-92

APPLICATION NUMBER: 08/419,853

PILING DATE: 11-APR-1995

APPLICATION NUMBER: 08/483,533

PILING DATE: 07-JUN-1995

ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 28,491

REFERENCE/DOCKET NUMBER: 27373/32742A

TELEPHONE/DOCKET NUMBER: 27373/32742A

TELEFAX: 312/474-0448

TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 38:

SEQUENCE CHARACTERISTICS:

LENGTH: 1280 base pairs

TYPE: nucleic acid

STRANDNESS: single

MOLECULE TYPE: DNA (genomic)

US-09-283-471A-38

Query Match

Beat Local Similarity 55.6% Pred No. 1.3

Matches 70: Conservative 0; Mismatches 56; Indels 0; Gaps 0;

DB 122 CCGCA 345

DB 450 CCGCA 345

DB 182 CCGCA 345

DB 390 CCGCA 345

DB 242 CCGCA 247

DB 330 CCGCA 325

US-08-483-533-39/C

Sequence 39: Application US/08483533

Patent No. 617047

GENERAL INFORMATION:

APPLICANT: Roisman, Bernard

TITLE OF INVENTION: Method for Treating Tumorigenic Diseases

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: United States of America

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

SOFTWARE: IBM PC compatible

OPERATING SYSTEM: DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

PILING DATE: 08/49/283,471A

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/419,853

PILING DATE: 31-MAR-92

APPLICATION NUMBER: 07/861,233

PILING DATE: 11-APR-1995

APPLICATION NUMBER: 08/483,533

PILING DATE: 07-JUN-1995

ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 28,491

REFERENCE/DOCKET NUMBER: 28097/32742

TELEPHONE/DOCKET NUMBER: 28097/32742

TELEFAX: 312/474-0448

TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 39:

SEQUENCE CHARACTERISTICS:

LENGTH: 1300 base pairs

TYPE: nucleic acid

STRANDNESS: single

MOLECULE TYPE: DNA (genomic)

US-08-483-533-39

Query Match

Beat Local Similarity 55.6% Pred No. 1.3

Matches 70: Conservative 0; Mismatches 56; Indels 0; Gaps 0;

DB 122 CCGCA 345

DB 450 CCGCA 345

DB 182 CCGCA 345

DB 390 CCGCA 345

DB 242 CCGCA 247

DB 330 CCGCA 325

DB 122 CCGCA 345

DB 450 CCGCA 345

DB 182 CCGCA 345

DB 390 CCGCA 345

DB 242 CCGCA 247

DB 330 CCGCA 325

us-09-855-340b-6.rn1

APPLICATION NUMBER: US/09/283,471A

PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/483,533

REGISTRATION NUMBER: 28,491

TELEFAX: 312/474-0448

LENGTH: 1327 base pairs
TYPE: nucleic acid

MOLECULE TYPE: DNA (genomic)

70; Conservative 0; M

470 CCCCGCCGCCGCGC

410 CTCCTGGCCCGGCTCGGGCGGGC

FILE NUMBER 000

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Search completed: April 15, 2005, 17:44:25
Job time : 160 secs

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SOFTWARE: PatentIn Release W1.0, Version W1.25
CURRENT APPLICATION DATA:
FILING DATE: 04-APR-1999 09:28:37.71A
CLASSIFICATION: 514
PRIOR APPLICATION DATA: 07/861,233
FILING DATE: 31-MAR-1999
PRIOR APPLICATION DATA: 08/419,853
APPLICATION NUMBER: 08/483,533
PRIORITY NUMBER: 1975
APPLICATION DATA: 1975
ATTORNEY NAME: JAMES P. ROBERTSON
REGISTRATION NUMBER: 28,491
REGISTRATION DATE: 07/17/93 3:57:42A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-0440
TELEFAX: 312/474-0448
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 1327 base pairs
TYPE: nucleic acid
SOURCE: genomic DNA
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
DB-08-283-471A-36

Query Match 14.7% Score 36.4 DB 3 Length 1327

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Mon Apr 18 09:47:30 2005

us-09-855-340b-1.rmpb

Db 601 CTGTGTGACACGAGTCTGAGAGTGGAGTGAAGAGGATCTGAGCGCGCGCGCGCGAGTCTGAC 660
 Oy 661 CTGTGTGAGCG 720
 Db 661 CTGTGTGAGCG 720
 Oy 721 GGAAGAGTGTGTCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 780
 Db 721 GGAAGAGTGTGTCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 780
 Oy 781 AGGAAAGTGTGTCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 840
 Db 781 AGGAAAGTGTGTCTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 840
 Oy 841 TTCCACG 900
 Db 841 TTCCACG 900
 Oy 901 GCGTGTGAGAGAGCG 960
 Db 901 GCGTGTGAGAGAGCG 960
 Oy 961 GCGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTG 1020
 Db 961 GCGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTG 1020
 Oy 1021 TCGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTG 1080
 Db 1021 TCGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTGATCTG 1080
 Oy 1081 GCG 1140
 Db 1081 GCG 1140
 Oy 1141 GAGCGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 1200
 Db 1141 GAGCGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 1200

RESULT 3

US-10-156-761-3714

Sequence 3714, Application US/0156761

GENERAL INFORMATION: US/0156761

APPLICANT: OMURA, SATOSHI

APPLICANT: ISENA, HARUO

APPLICANT: ISHIMURA, JUN

APPLICANT: HOKIYAMA, HIROSHI

APPLICANT: SHIBA, TADAYOSHI

APPLICANT: SAKAKI, YOSHITAKA

APPLICANT: HATTORI, MASAHIRO

TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES

FILE REFERENCE: 249-462

CURRENT APPLICATION NUMBER: US/10/156-761

PRIOR APPLICATION NUMBER: JP 2001-204089

PRIOR FILING DATE: 2001-05-30

PRIOR APPLICATION NUMBER: JP 2001-272697

PRIOR FILING DATE: 2001-08-02

NUMBER OF SEQ ID NOS: 15109

SEQ ID NO 3714

LENGTH: 1137

FEATURES:

NAME/KEY: CDS

FEATURE: (1137)

US-10-156-761-3714

Query Match

Matches 180; Consistency 4.8%; Pctd. No. 1.3e-07; Mismatches 272; Indels 21; Gaps 3;

Oy 393 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 450
 Db 393 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 450
 Oy 451 GATGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 510
 Db 451 GATGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 510
 Oy 511 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 570
 Db 511 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 570
 Oy 571 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 630
 Db 571 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 630
 Oy 631 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 690
 Db 631 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 690
 Oy 691 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 750
 Db 691 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 750
 Oy 751 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 810
 Db 751 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 810
 Oy 811 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 870
 Db 811 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 870
 Oy 871 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 930
 Db 871 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 930
 Oy 931 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 990
 Db 931 GGTGTGAGAGAGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 990

RESULT 4

US-10-156-761-1/-

Sequence 1, Application US/0156761

GENERAL INFORMATION: US/0156761

APPLICANT: OMURA, SATOSHI

APPLICANT: ISENA, HARUO

APPLICANT: ISHIMURA, JUN

APPLICANT: HOKIYAMA, HIROSHI

APPLICANT: SHIBA, TADAYOSHI

APPLICANT: SAKAKI, YOSHITAKA

APPLICANT: HATTORI, MASAHIRO

TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES

FILE REFERENCE: 249-462

CURRENT APPLICATION NUMBER: US/10/156-761

PRIOR APPLICATION NUMBER: JP 2001-204089

PRIOR FILING DATE: 2001-05-30

PRIOR APPLICATION NUMBER: JP 2001-272697

PRIOR FILING DATE: 2001-08-02

NUMBER OF SEQ ID NOS: 15109

SEQ ID NO 1

LENGTH: 9035608

FEATURES:

NAME/KEY: CDS

FEATURE: (418715)

US-10-156-761-1

Query Match

Matches 180; Consistency 4.8%; Pctd. No. 1.3e-07; Mismatches 272; Indels 21; Gaps 3;

Best Local Similarity 48.9%; Pred. No. 1.5e-07;
Matches 280; Conservative 0; Mismatches 212; Indels 21; Gaps 3;
 Oy 393 GGTGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 452
 Db 4615552 GGTGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 4615552
 Oy 453 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 512
 Db 4615492 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 4615492
 Oy 513 GCGCAAAAGAAATGATCTTCTGACAGCAACCGGAAATGCGCGCTGATGCGCGCTTCC 572
 Db 4615432 GCGCAAAAGAAATGATCTTCTGACAGCAACCGGAAATGCGCGCTGATGCGCGCTTCC 4615432
 Oy 573 GCGCAAAAGAAATGATCTTCTGACAGCAACCGGAAATGCGCGCTGATGCGCGCTTCC 573
 Db 4615372 GCGCAAAAGAAATGATCTTCTGACAGCAACCGGAAATGCGCGCTGATGCGCGCTTCC 4615372
 Oy 633 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 692
 Db 4615312 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 4615312
 Oy 693 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 752
 Db 4615261 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 4615261
 Oy 753 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 812
 Db 4615201 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 4615201
 Oy 813 -----GCGCAAAAGAAATGATCTTCTGACAGCAACCGGAAATGCGCGCTGATGCGCGCTTCC 863
 Db 4615141 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 4615141
 Oy 864 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 923
 Db 4615081 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 4615082
 Oy 924 GCGCTCTGCGACAAATCTGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 953
 Db 4615021 GCGCTCTGCGACAAATCTGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 4615022

RESPECT 5
 US-09-493-41111
 Sequence 4311; Application US/0164943
 Patent No. US2002023575A1
 GENERAL INFORMATION:
 APPLICANT: Harkins, Thomas J.
 APPLICANT: Harkins, Thomas J.
 APPLICANT: Slater, Steven C.
 APPLICANT: Golder, Barry S.
 TITLE OF INVENTION: SEPARATION OF MICROSIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 FILE REFERENCES: 38-10150521B
 CURRENT FILING DATE: 2001-03-29
 PRIOR FILING DATE: 2002-02-21
 PRIOR APPLICATION NUMBER: US 60/360 039
 PRIORITY CLAIM: YES
 SEQ ID NO 4311 ID NOS: 41374
 LENGTH: 1743
 TYPE: DNA
 ORGANISM: Myxococcus xanthus
 FEATURE:
 NAME/KEY: unsure
 LOCATION: (1) --- (1743)
 ORIGIN: (1) --- (1743)
 US-10-359-493-41111
 Query Match 4.9%; Score 57.2; Db 17; Length 1743;

Best Local Similarity 44.2%; Pred. No. 2.4e-05;
Matches 233; Conservative 0; Mismatches 294; Indels 0; Gaps 0;
 Oy 238 AATCGAGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 297
 Db 1177 AATCGAGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 1236
 Oy 298 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 357
 Db 1237 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 1296
 Oy 358 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 417
 Db 1297 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 1356
 Oy 418 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 477
 Db 1357 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 1416
 Oy 478 AATCGAGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 537
 Db 1417 AATCGAGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 1476
 Oy 538 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 597
 Db 1477 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 1536
 Oy 598 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 657
 Db 1537 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 1596
 Oy 658 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 717
 Db 1597 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 1656
 Oy 718 AATCGAGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 764
 Db 1657 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 1703

RESPECT 6
 US-09-821-167-15
 Sequence 15; Application US/09821167
 Patent No. US2002015998A1
 GENERAL INFORMATION:
 APPLICANT: Harkins, Thomas J.
 APPLICANT: Harkins, Thomas J.
 APPLICANT: Harkins, Thomas J.
 APPLICANT: Harkins, Thomas J.
 TITLE OF INVENTION: Isolated Nucleic Acids from Micromonospora toazita
 FILE REFERENCES: 2001-03-29
 CURRENT FILING DATE: 2001-03-29
 PRIOR FILING DATE: 2001-03-29
 PRIOR APPLICATION NUMBER: US 60/394 461
 NUMBER OF SEQ ID NOS: 15
 SOFTWARE: Patent Ver. 2.1
 LENGTH: 1161
 TYPE: DNA
 ORGANISM: Micromonospora toazita
 US-09-821-167-15
 Query Match 4.8%; Score 56.6; Db 9; Length 1161;
 Best Local Similarity 46.2%; Pred. No. 3.5e-05;
Matches 269; Conservative 0; Mismatches 299; Indels 6; Gaps 2;
 Oy 545 AATCGAGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 604
 Db 557 AATCGAGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 616
 Oy 605 TGGCGAGGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 664
 Db 617 GATCGCGAGGAAACATCAACATCAATCGACCTGCGTCTGCGACAAATCTGCGGCGCGCG 675


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/ SBO ID NO 5080
/ LENGTH: 879
/ TYPE: DNA
/ ORGANISM: Streptococcus avermitilis
/ FEATURES:
/ NAME/KEY: CBS
/ LOCATION: (1)..(879)
/ US-10-156-761-5080

Query Match
Beat Local Similarity 44.0%; Pred. No. 0.00022;
Match 227; Conservative 0; Mismatches 289; Indels 0; Gaps 0;

Oy 229 ACCGCGGATCTGGAAGAGGACAGGACGCGGATCCGACAGACCTCTGCGGACGATCGCGAC 288
Db 274 ACCGCGGATCTGGAAGAGGACAGGACGCGGATCCGACAGACCTCTGCGGACGATCGCGAC 333
Oy 289 CTGACGCTGACGAGGTGAGAGCGAGAGCGGACGCGGATCCGACAGGATGAGAGCGCGC 348
Db 334 TACGCTGCTGACGAGGTGAGAGCGAGAGCGGACGCGGATCCGACAGGATGAGAGCGCGC 393
Oy 349 GCGATGCGCGGCGGCGAGATGACGAGCGGAGCGGAGCGGATCCGACAGGATGAGAGCGCGC 408
Db 394 CTGCGCTGCGGCGGCGGAGATGACGAGCGGAGCGGAGCGGATCCGACAGGATGAGAGCGCGC 453
Oy 409 ATCCAGCAATGCGGCGGCGGAGATGACGAGCGGAGCGGAGCGGATCCGACAGGATGAGAGCGCGC 468
Db 454 GCGACGCTGCGGCGGCGGAGATGACGAGCGGAGCGGAGCGGATCCGACAGGATGAGAGCGCGC 513
Oy 514 GCGACGCTGCGGCGGCGGAGATGACGAGCGGAGCGGAGCGGATCCGACAGGATGAGAGCGCGC 528
Db 529 ATCCAGCAATGCGGCGGCGGAGATGACGAGCGGAGCGGAGCGGATCCGACAGGATGAGAGCGCGC 573
Oy 574 CTCTCGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAG 588
Db 589 CTCTCGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAG 633
Oy 634 CTCTCGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAG 648
Db 649 GCGCGCGGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAG 693
Oy 694 GCGCGCGGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAG 753
Db 709 CTGCGCGGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAG 744
Oy 754 GCGCGCGGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAG 789

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RESULT 13

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/ Sequence 45: Application US/10762107
/ Publication No. US2005004397A1
/ GENERAL INFORMATION:
/ APPLICANT: EOCPIA BIOLOGICS INC.
/ APPLICANT: EOCPIA BIOLOGICS INC.
/ APPLICANT: McAlpine, James
/ APPLICANT: Zazopoulou, Esmemel
/ APPLICANT: Pitsamoun, Brian
/ APPLICANT: Pitsamoun, Brian
/ TITLE OF INVENTION: PANCREATIC DIABETES/ADIPONE, PROCESSES FOR ITS PRODUCTION AND ITS
/ TITLE OF INVENTION: A PHARMACEUTICAL
/ CURRENT FILING DATE: 2004-01-20
/ PRIOR APPLICATION NUMBER: USN 60/441,136
/ PRIOR FILING DATE: 2003-08-07
/ PRIOR APPLICATION NUMBER: USN 60/492,997
/ PRIOR FILING DATE: 2003-08-07
/ PRIOR APPLICATION NUMBER: USN 60/518,286
/ PRIOR FILING DATE: 2003-11-10
/ NUMBER OF SBO ID NOS: 65

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/ SOFTWARE: PatentIn version 3.0
/ SBO ID NO 1504
/ LENGTH: 1504
/ TYPE: DNA
/ ORGANISM: Micromonospora sp. strain 046-EC011
/ US-10-762-107-45

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Query Match
Beat Local Similarity 44.0%; Pred. No. 0.00028;
Match 226; Conservative 0; Mismatches 288; Indels 0; Gaps 0;

Oy 91 ACCGCGGATCTGGAAGAGGACAGGACGCGGATCCGACAGACCTCTGCGGACGATCGCGAC 150
Db 361 ACCGCGGATCTGGAAGAGGACAGGACGCGGATCCGACAGACCTCTGCGGACGATCGCGAC 420
Oy 161 ATGCGCGGCGGCGGAGATGACGAGCGGAGCGGAGCGGATCCGACAGGATGAGAGCGCGC 210
Db 421 ACCGCGGATCTGGAAGAGGACAGGACGCGGATCCGACAGACCTCTGCGGACGATCGCGAC 480
Oy 211 GAGGAGAGCGGCGGAGATGACGAGCGGAGCGGAGCGGATCCGACAGGATGAGAGCGCGC 270
Db 481 GAGGAGAGCGGCGGAGATGACGAGCGGAGCGGAGCGGATCCGACAGGATGAGAGCGCGC 540
Oy 271 CTGCGCTGCGGCGGCGGAGATGACGAGCGGAGCGGAGCGGATCCGACAGGATGAGAGCGCGC 310
Db 541 GCGACGCTGCGGCGGCGGAGATGACGAGCGGAGCGGAGCGGATCCGACAGGATGAGAGCGCGC 600
Oy 331 GTGACGAGCGGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAG 390
Db 601 GCGAGCGGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAG 660
Oy 391 CCGTGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAG 450
Db 661 CTGCGCTGCGGCGGCGGAGATGACGAGCGGAGCGGAGCGGATCCGACAGGATGAGAGCGCGC 720
Oy 451 GCGATGCGGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAG 510
Db 721 TACGCGCTGCGGCGGAGATGACGAGCGGAGCGGAGCGGATCCGACAGGATGAGAGCGCGC 780
Oy 511 GAGCGGAGAGAGAGTGTGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAG 570
Db 781 GCGCGCGGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAG 840
Oy 571 CCGCGCGGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAGCGGAGAG 604
Db 841 GACTCGAGAGAGAGTCCCGCTGCTGACAGGAG 874

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RESULT 14

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/ Sequence 46: Application US/10762107
/ Publication No. US2005004397A1
/ GENERAL INFORMATION:
/ APPLICANT: EOCPIA BIOLOGICS INC.
/ APPLICANT: EOCPIA BIOLOGICS INC.
/ APPLICANT: McAlpine, James
/ APPLICANT: Zazopoulou, Esmemel
/ APPLICANT: Pitsamoun, Brian
/ APPLICANT: Pitsamoun, Brian
/ TITLE OF INVENTION: PANCREATIC DIABETES/ADIPONE, PROCESSES FOR ITS PRODUCTION AND ITS
/ TITLE OF INVENTION: A PHARMACEUTICAL
/ CURRENT FILING DATE: 2005-03-09; US/10762,107
/ CURRENT FILING DATE: 2004-01-20
/ PRIOR APPLICATION NUMBER: USN 60/441,136
/ PRIOR FILING DATE: 2003-01-21
/ PRIOR APPLICATION NUMBER: USN 60/492,997
/ PRIOR FILING DATE: 2003-08-07
/ PRIOR APPLICATION NUMBER: USN 60/518,286
/ PRIOR FILING DATE: 2003-11-10
/ NUMBER OF SBO ID NOS: 65
/ SOFTWARE: PatentIn version 3.0
/ SBO ID NO 1

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us-09-855-340b-1.rnpb

4.54; Score 53.2; DB 19; Length 36602;

91 ACCAGCGCCNAGATGGATGGTCACTTCCGTGCGAGCAGTTGCAAGGCACCEGCTC 150

481 ATGAGCGGGGCTCAGATTACACTTCGCCGATTTCCGTGCAGAGTGGTGCCGAGCTAC 210

[illegible]

DB 27515 GACGAGTGA¹TGCTGGCCGCCGCCGTCGGGAGGCCACCGAGCTGCGGACCGCCGCG 275

276

QY
331 GTCACGACTCGAAGCCGGCACTGCATCAGTAACTAACACCCTGTCTTT

391 CCGCTGGCAGCGAAGACGATCAGCAACTGCGACGGCTGCTGCACACGATCTGCGGCGG 450

[illegible]

Db 27755 TACATGCCGACCCGGCGTTCGGGTCAACGCCGGCGCGTGCACCTGTACACGCTTC 2/8

278

571 CCGCCGCACTGGAGACCGCTCCCAAGACAGCG 604

Sequence 5794, Application US/10156761

APPLICANT: OMURA, SATOSHI

APPLICANT: HORIKAWA, HIROSHI
APPLICANT: SHIRA, TADAYOSHI

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CURRENT FILING DATE: 2002-05-29

PRIOR APPLICATION NUMBER: JP 2001-272697
PRIORITY DATE: 2001-08-02

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; SEQ ID NO 5/94
;
; LENGTH: 426

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FEATURE:

Query Match 4.4%; Score 52.2; DB 15; Length 426;

891 CTGGCTCAGCGCTGCGAGGAGCCGGCTTCGGGCTTACGCATTCAAGATCTGCG

actgagctggcgcacggtccgctgtccgccgatctcccgccgc

D_b 237 CACCGGAACTGGTCCATCAGTCAGTTTGAGCAATGTAATG
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Db 297 GGGCACTCTCCGTGCGGCGCG---CTGATCTACCAAGCACCTGTCAACGGCCGT

2005 23:50:53

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[illegible]

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RESULT 3 5411312/C
Sequence 110:09:location US/0902550
Parent No. 683447
GENERAL INFORMATION:
APPLICANT: Barry S.
APPLICANT: Hirtle, Gregory C.
APPLICANT: Slater, Steven C.
APPLICANT: Westad, Roger C.
FILE REFERENCE: 38-1059493
CURRENT FILING NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
PRIORITY FILING NUMBER: 07/217,683
PRIORITY FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 16825
LENGTH 21143
TYPE: DNA
ORGANISM: Myxococcus xanthus
NCBI/EBI: unacc
LOCATION: (1)..(21143)
US-09-956-960-1261
Query Match: similarity 4.9%, Score 57.2; DB 4; Length 21143;
                match 44.2%; Pval: 0.0046;
Matches 233; Conservative; Mismatches 296; Indels 0; Caps 0

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Accession	Sequence	Position
Db	7120 ATCTCGAGGGGACGACGAAATTCACCGGATCTCATCGCGGACGATCTCTTAAAGCC	7067
Qy	298 GACACAGCTGAGACGGGAGAGTCAACGACGAGTGTTCACAGCAGCTGAGAGCGCGGCTGAGC	357
Db	7060 GCGGTGAGGGGGAGCTCTCCGCTGTGTCATGCGCGGACATGTGGCGAGAGCACTTCC	7001
Qy	358 CCGCTGCGCGGAGTTCACGCGCGGCTGTGAGAACCGGCGGAGGATGCAATGACGAAAGG	

[illegible]

RESULT 4
 US-09-902-540-5392
 Patent No. 6833447
 GENERAL INFORMATION:
 APPLICANT: Goldman, Barry S.
 INVENTOR: Goldman, Barry S.;
 APPLICANT: Slisest, Steven C.
 TITLE OF INVENTION: Myxococcus xanthus Genomes Sequences and Uses Thereof
 FILE REFERENCE: 38-10,15849 B
 CURRENT FILING DATE: 2001-07-19
 PRIOR FILING DATE: 2000-07-10
 NUMBER OF SEQ ID NOS: 16825
 SEQ ID NO 3172
 TYPE: DNA
 ORGANISM: Myxococcus xanthus
 FEATURE:
 NAME/SEQ: unuure (4719)
 OTHER INFORMATION: unuure at all n locations
 US-09-902-540-5392

[illegible]

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RESULT 5
 US-09-902-540-1039
 Patent No. 6833447
 Application US/0902540
 GENERAL INFORMATION:
 APPLICANT: GOLDMAN, RALPH S.
 APPLICANT: GORDON, GREGORY J.
 APPLICANT: SILER, STEVEN C.
 APPLICANT: WISNARD, ROGER C.
 TITLE OF INVENTION: X. MARINUS Genome Sequences and Uses Thereof
 CURRENT APPLICATION NUMBER: US/09/902,540
 CURRENT FILING DATE: 2001-07-10
 PRIOR APPLICATION NUMBER: 60/217,863
 FILING DATE OF PRIOR APPLICATION: 2000-07-10
 NUMBER OF SEQ. ID NOS: 16825
 SEQ. ID NO: 1039
 LENGTH: 11282.

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1 115: DNA
2 ORGANISM: Myxococcus xanthus
3 FEATURE:
4 NAME/KEY: unsure
5 LOCATION: (1)..(11282)
6 OTHER INFORMATION: unsure at all n locations
7 US-09-902-540-1039

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[illegible]

TITLE OF INVENTION: plasmid pMR2 and Vectors Made Therefrom
 CURRENT APPLICATION NUMBER: US/09/821,167
 CURRENT FILING DATE: 2001-03-29
 PRIOR APPLICATION NUMBER: US 60/134,461
 NUMBER OF SEQ ID NOS: 14
 SOFTWARE: Patent Ver. 2.1

SEQ ID NO 15
 TYPE: DNA
 ORGANISM: Micromonospora rosaria
 US-09-821-167-15

Query Match 4.8%; Score 56.6; DB 4; Length 1161;
 Best Local Similarity 46.2%; Pred No. 0.0073;

Matched 262; Conservative 0; Mismatches 289; Indels 6; Gaps 2;

545 AATGTCGCTGCTTACGCGCCCTTCCGCGCATTCGCGACGCGCTGTCATCGCTCG 604
 557 AAGTCGTCGCTGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCG 616
 605 TGGGACGCTGCTGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCGCGCTGCG 664
 617 CTGCGCGCTGCGCGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 675
 665 TCG 733
 676 --ACGACACACGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 743
 725 AAGTCGCTGCTGCTGCGCGCGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 784
 734 AAGTCGCTGCTGCTGCGCGCGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 793
 785 AAGTCGCTGCTGCTGCGCGCGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 844
 794 AAGTCGCTGCTGCTGCGCGCGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 853
 845 CCG 904
 854 TCG 913
 905 GCG 964
 914 GCG 973
 965 TCTGATATTCG 1034
 974 TCG 1084
 1025 TCG 1094
 1034 TCG 1100
 1085 CCG 1111
 1091 AAGTCGCTGCTGCTGCGCGCGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1117

RESULT 7
 US-09-821-167-1
 Patent No. 659646

GENERAL INFORMATION:
 APPLICANT: Hosted J.F., Thomas J.

TITLE OF INVENTION: Hosted J.F., Thomas J.
 TITLE OF INVENTION: Plasmid pMR2 and Vectors Made Therefrom
 FILE REFERENCE: IN011490

CURRENT APPLICATION NUMBER: US/09/821,167
 PRIOR APPLICATION NUMBER: US 60/134,461
 PRIOR FILING DATE: 2000-04-04

NUMBER OF SEQ ID NOS: 15
 SEQ ID NO 1
 TYPE: DNA
 ORGANISM: Micromonospora rosaria
 US-09-821-167-1

Query Match 4.8%; Score 56.6; DB 4; Length 1188;
 Best Local Similarity 46.2%; Pred No. 0.0055;

Matched 262; Conservative 0; Mismatches 289; Indels 6; Gaps 2;

545 AATGTCGCTGCTTACGCGCCCTTCCGCGCATTCGCGACGCGCTGTCATCGCTCG 604
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 665 TCG 10724
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 725 AAGTCGCTGCTGCTGCGCGCGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 784
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 10881 TCG 10940
 905 GCG 964
 10941 GCG 11000
 965 TCTGATATTCG 11060
 11001 TCG 11084
 1025 TCG 11060
 11061 TCG 11084
 1085 CCG 11117
 11118 AAGTCGCTGCTGCTGCGCGCGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 11144

RESULT 8
 US-09-821-167-2
 Sequence 3606; Application US/09/025450

GENERAL INFORMATION:
 APPLICANT: Slater, Steven C.

TITLE OF INVENTION: Slater, Steven C.
 TITLE OF INVENTION: Plasmid pMR2 and Vectors Made Therefrom
 FILE REFERENCE: IN011490

CURRENT APPLICATION NUMBER: US/09/025,450
 PRIOR APPLICATION NUMBER: US 60/134,461
 PRIOR FILING DATE: 2000-04-04

[illegible]

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659 ACCTGCTCGCCGCGCGGACCCCGGCT

36 / AUGUST 1997

QY 719 CEGGAGGAGCTCGTCTTCAGT

20 427 ACUCUCCUAGGAGUCCUGAGCAGG

RESULTS: 14
 INS: 09-551-9740-74

Sequence 34, Application US/09551

Patent No. 6500437

GENERAL INFORMATION:

APPLICANT: Good Steven G

APPLICANT: Campos-Neto, Antonio

APPLICANT: Webb, John R.

APPLICANT: Dillon, David C.

1. TITLE OF INVENTION: BRISHMANIA

1. TITLE OF INVENTION: THERAPY AND

FILE REFERENCE: 210121.420C5
CURRENT APPLICATION NUMBER: US/O

CURRENT FILING DATE: 2000-04-14

; NUMBER OF SEQ ID NOS: 101

SOIIMARK: FABLSEQ LOT WITHOMNS V
: SEQ ID NO 34

LENGTH: 516

TYPE: DNA
ORGANISM: *Yersinia enterocolitica*

US-09-551-974A-34

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Query match	4.4%	S
Rest total similarity	47.1%	D

Matches 222; Conservative 0;

100

356 AGCTGGACGGCAGGTCACTCC

Db 7 AGCAGCCGCTAAGACACCGCA

262

Db 67 TGGCCCGCGA⁺CGCGAGAG

421 CACGGCCCTGCAACACGATG

Db 127 AGCGCTAGACACCGCCAAGC

481 CCGTCTCTTCGACGATGCTG

DB 187 CCGCGACGGCGACGAGGCCG

541 CCGAGAGTGTGTGCTTTATACGGGCGCTTCCCGACATGACACCGCTGTATGCTG 600
 Db 247 GCTTACACACCGCCACGACAGACACCGACGACGACGACGACGACGACGACG 306
 601 CTTGGTGGACACCGCTGTGAGTGGGTGAGTGAAGT--CGGCTGACCGCGCGGCTG 658
 Db 307 CGAAGCGGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 366
 659 ACTGTCG 718
 Db 367 AGCCAGCGGATGACAGGTCGACGCGGACGCGGACGCGGACGCGGACGCGGACG 426
 719 CCGAGAGCTGTGTCTTCCAGTCCCGGAGACCGCGAGACCGCGACCGCGACG 769
 Db 427 AGCCGAGAGCTGTGTCTTCCAGTCCCGGAGACCGCGAGACCGCGACCGCGACG 477

RESULT 15
 US-09-565-501a-34
 US-09-565-501a-34 Application US/09565501A
 Patent No. 6609731

GENERAL INFORMATION:
 APPLICANT: Reed, Steven G.
 APPLICANT: Reed, Steven G.
 APPLICANT: Webb, John R. Antonio
 APPLICANT: Dillon, David C.
 APPLICANT: Skelly, Yasir A.W.
 APPLICANT: Skelly, Yasir A.W.
 APPLICANT: Cole, Peter
 APPLICANT: Peter Probet
 TITLE OF INVENTION: LEBMANIA ANTIGENS FOR USE IN THE
 TREATMENT OF LEBMANIA ANTIGENS AND DIAGNOSIS OF LEBMANIASIS
 FILE REFERENCE: 210121.42DC
 CURRENT FILING DATE: 2000-05-05
 US-09-565-501A-34
 SOFTWARE: EMERALD for Windows Version 4.0
 SSO ID NO 34
 LENGTH: 516
 INVENTOR: LEBMANIA
 ORIGINATOR: LEBMANIA
 US-09-565-501A-34
 INVENTOR: LEBMANIA major

Query Match 4.1% Score 51.4; Db 4; Length 516;

Basic Local Similarity 47.1%; Pval: No. 0.082;

Matches 222; Conservative 0; Mismatches 246; Indels 3; Gaps 2;

302 AGCTGACACCGGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 361
 Db 7 AGCAGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 66
 362 GCGCGAGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 420
 Db 67 TGGCGCGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 126
 421 CAGCGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 180
 Db 127 AGCAGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 186
 481 CCGCGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 540
 Db 187 CCGCGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 246
 541 CCGAGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 600
 Db 247 GCTTACACACCGCCACGACAGACACCGACGACGACGACGACGACGACGACG 306
 601 CTTGGTGGACACCGCTGTGAGTGGGTGAGTGAAGT--CGGCTGACCGCGGCTG 658
 Db 307 CGAAGCGGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACG 366
 659 ACTGTCG 718
 Db 367 AGCCAGCGGATGACAGGTCGACGCGGACGCGGACGCGGACGCGGACGCGGACG 426
 719 CCGAGAGCTGTGTCTTCCAGTCCCGGAGACCGCGAGACCGCGACCGCGACG 769
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Db 367 AGCCAGAGCTGTGTCTTCCAGTCCCGGAGACCGCGAGACCGCGACCGCGACG 426
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 Db 427 AGCCGAGAGCTGTGTCTTCCAGTCCCGGAGACCGCGAGACCGCGACCGCGACG 477

Search completed: April 15, 2005, 19:15:51
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Mon Apr 18 09:47:32 2005

us-09-855-340b-3.rmpb

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Genome version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 19:01:23 | Search time 35.1127 seconds

Sequence alignment: 8204.076 Million cell updates/sec

US-09-855-340b-3

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Total number of hits satisfying chosen parameters: 11245082

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Post-processing: Minimum Match: 0%

Maximum Match: 10%

Listing filter: 45 summaries

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9. /cogn2_6/prodata/2/pub/pma/US09_PUBCOMB.seq*
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11. /cogn2_6/prodata/2/pub/pma/US09_PUBCOMB.seq*
12. /cogn2_6/prodata/2/pub/pma/US09_PUBCOMB.seq*
13. /cogn2_6/prodata/2/pub/pma/US09_PUBCOMB.seq*
14. /cogn2_6/prodata/2/pub/pma/US09_PUBCOMB.seq*
15. /cogn2_6/prodata/2/pub/pma/US09_PUBCOMB.seq*
16. /cogn2_6/prodata/2/pub/pma/US09_PUBCOMB.seq*
17. /cogn2_6/prodata/2/pub/pma/US09_PUBCOMB.seq*
18. /cogn2_6/prodata/2/pub/pma/US09_PUBCOMB.seq*
19. /cogn2_6/prodata/2/pub/pma/US09_PUBCOMB.seq*
20. /cogn2_6/prodata/2/pub/pma/US09_PUBCOMB.seq*
21. /cogn2_6/prodata/2/pub/pma/US09_PUBCOMB.seq*
22. /cogn2_6/prodata/2/pub/pma/US09_PUBCOMB.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, as derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	34	100.0	247	US-09-855-340-3	Sequence 6, Appl 1
2	34	100.0	247	US-09-855-340-3	Sequence 6, Appl 1
3	25	73.5	241	US-09-855-340-3	Sequence 4, Appl 1
4	25	73.5	241	US-09-855-340-3	Sequence 4, Appl 1
5	25	73.5	241	US-09-855-340-3	Sequence 4, Appl 1
6	25	73.5	241	US-09-855-340-3	Sequence 4, Appl 1
7	25	73.5	241	US-09-855-340-3	Sequence 4, Appl 1
8	22.4	65.9	156073	US-10-365-226-1	Sequence 7, Appl 1
9	21.4	62.9	623	US-10-767-701-1606	Sequence 1666, Ap 1
10	20.6	59.4	90568	US-10-145-116427	Sequence 1, Appl 1
11	20.2	59.4	90568	US-10-145-116427	Sequence 1, Appl 1

ALIGNMENTS

RESULT 1
US-09-855-340-3
/cogn2_6/prodata/2/pub/pma/US07_PUBCOMB.seq*
Sequence 6, Appl 1
Query Match: 100.0%, Score 34, DB 9, Length 34,
Best Local Similarity 100.0%, Pred. No. 3.1e-05:
Matches 34, Consensitive 0, Mismatches 0, Indels 0, Gaps 0
1 cccggatgcattccatccatccatccatccacccg 34
1 cccggatgcattccatccatccatccatccacccg 34
DB 1 cccggatgcattccatccatccatccatccacccg 34
RESULT 2

```

US-09-855-340-6
Sequence 6, Application US/09855340
Patent No. US20020076788A1
GENERAL INFORMATION:
APPLICANT: Hosen, Ann C., Thomas J.
TITLE OF INVENTION: Isolation of Micromonospora carbonacea var afflicta
TITLE OF INVENTION: plasmid integrase and use of integrating function for
TITLE OF INVENTION: site-specific integration into Micromonospora
FILE REFERENCE: halophilic and Micromonospora carbonacea chromosome
CURRENT APPLICATION NUMBER: US/09/855,340
PRIORITY FILING DATE: 2001-05-15
PRIORITY FILING DATE: 2000-05-17
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patent In Ver. 2.1
SD ID NO: 6
SD ID NO: 447
TYPE: DNA
ORGANISM: Micromonospora carbonacea
US-09-855-340-6
Query Match 100.0%; Score 34; DB 9; Length 247;
Best Local Similarity 100.0%; Pctd. No. 3,8e-05;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 CCGCGTAAAGGATTCATTCCTCATGATCCGCC 34
92 CCGCGTAACGGATTCATTCCTCATGATCCGCC 115

RESULT 3
US-09-855-340-6
Sequence 9, Application US/09855340
Patent No. US20020076788A1
GENERAL INFORMATION:
APPLICANT: Hosen, Ann C., Thomas J.
TITLE OF INVENTION: Isolation of Micromonospora carbonacea var afflicta
TITLE OF INVENTION: plasmid integrase and use of integrating function for
TITLE OF INVENTION: site-specific integration into Micromonospora
FILE REFERENCE: IN0116K
CURRENT APPLICATION NUMBER: US/09/855,340
PRIORITY FILING DATE: 2001-05-15
PRIORITY FILING DATE: 2000-05-17
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patent In Ver. 2.1
SD ID NO: 9
SD ID NO: 260
LENGTH: 260
TYPE: DNA
ORGANISM: Micromonospora halophytica
US-09-855-340-9
Query Match 97.1%; Score 33; DB 9; Length 260;
Best Local Similarity 100.0%; Pctd. No. 0.00011;
Matches 33; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 1 CCGCGTAAAGGATTCATTCCTCATGATCCGCC 33
92 CCGCGTAACGGATTCATTCCTCATGATCCGCC 124

RESULT 4
US-09-855-340-4
Sequence 4, Application US/09855340
Patent No. US20020076788A1
GENERAL INFORMATION:
APPLICANT: Hosen, Ann C., Thomas J.
TITLE OF INVENTION: Isolation of Micromonospora carbonacea var afflicta
TITLE OF INVENTION: plasmid integrase and use of integrating function for
TITLE OF INVENTION: site-specific integration into Micromonospora
FILE REFERENCE: IN0116K
CURRENT APPLICATION NUMBER: US/09/855,340
PRIORITY FILING DATE: 2001-05-15
PRIORITY FILING DATE: 2000-05-17
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patent In Ver. 2.1
SD ID NO: 4
SD ID NO: 411
TYPE: DNA
ORGANISM: Micromonospora carbonacea
US-09-855-340-4
Query Match 73.5%; Score 28; DB 9; Length 241;
Best Local Similarity 100.0%; Pctd. No. 0.39;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 10 GGATTCATTCCTCATGATCCGCC 34
95 GGATTCATTCCTCATGATCCGCC 119

RESULT 5
US-09-855-340-5
Sequence 5, Application US/09855340
Patent No. US20020076788A1
GENERAL INFORMATION:
APPLICANT: Hosen, Ann C., Thomas J.
TITLE OF INVENTION: Isolation of Micromonospora carbonacea var afflicta
TITLE OF INVENTION: plasmid integrase and use of integrating function for
TITLE OF INVENTION: site-specific integration into Micromonospora
FILE REFERENCE: IN0116K
CURRENT APPLICATION NUMBER: US/09/855,340
PRIORITY FILING DATE: 2001-05-15
PRIORITY FILING DATE: 2000-05-17
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patent In Ver. 2.1
SD ID NO: 5
SD ID NO: 243
LENGTH: 243
TYPE: DNA
ORGANISM: Micromonospora carbonacea
US-09-855-340-5
Query Match 73.5%; Score 25; DB 9; Length 243;
Best Local Similarity 100.0%; Pctd. No. 0.39;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 10 GGATTCATTCCTCATGATCCGCC 34
113 GGATTCATTCCTCATGATCCGCC 117

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TITLE OF INVENTION: plasmid integrase and use of integrating function for
TITLE OF INVENTION: site-specific integration into Micromonospora
TITLE OF INVENTION: halophilic and Micromonospora carbonacea chromosome
CURRENT APPLICATION NUMBER: US/09/855,340
PRIORITY FILING DATE: 2001-05-15
PRIORITY FILING DATE: 2000-05-17
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patent In Ver. 2.1
SD ID NO: 4
SD ID NO: 411
TYPE: DNA
ORGANISM: Micromonospora carbonacea
US-09-855-340-4
Query Match 73.5%; Score 28; DB 9; Length 241;
Best Local Similarity 100.0%; Pctd. No. 0.39;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 10 GGATTCATTCCTCATGATCCGCC 34
95 GGATTCATTCCTCATGATCCGCC 119

RESULT 5
US-09-855-340-5
Sequence 5, Application US/09855340
Patent No. US20020076788A1
GENERAL INFORMATION:
APPLICANT: Hosen, Ann C., Thomas J.
TITLE OF INVENTION: Isolation of Micromonospora carbonacea var afflicta
TITLE OF INVENTION: plasmid integrase and use of integrating function for
TITLE OF INVENTION: site-specific integration into Micromonospora
FILE REFERENCE: IN0116K
CURRENT APPLICATION NUMBER: US/09/855,340
PRIORITY FILING DATE: 2001-05-15
PRIORITY FILING DATE: 2000-05-17
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patent In Ver. 2.1
SD ID NO: 5
SD ID NO: 243
LENGTH: 243
TYPE: DNA
ORGANISM: Micromonospora carbonacea
US-09-855-340-5
Query Match 73.5%; Score 25; DB 9; Length 243;
Best Local Similarity 100.0%; Pctd. No. 0.39;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 10 GGATTCATTCCTCATGATCCGCC 34
113 GGATTCATTCCTCATGATCCGCC 117

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PRIOR FILING DATE: 2000-05-17
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentm Ver. 2.1
SEQUENCE: 315
TYPE: DNA
ORGANISM: Micromonospora halophytica
US-09-855-340-b

Query Match      73.5%; Score 25; DB 9; Length 315;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 GGGATCAATCCCATCATGATGACCC 34
DB      96 GGGATCAATCCCATCATGATGACCC 120

RESULT 7
US-09-855-340-b
Sequence 17: Application US/09855340
Patent No. US200207828A1
ORGANISM: Micromonospora halophytica
APPLICANT: Hoechst, Amgen, Ciba, Thomas J.
FILE REFERENCE: 100164K
TITLE OF INVENTION: Isolation of Micromonospora carbonacea var afflicta
TITLE OF INVENTION: plasmid integrase and use of integrating function for
TITLE OF INVENTION: site-specific integration into Microsome chromosome
FILE REFERENCE: 100164K
CURRENT APPLICATION NUMBER: US/09/855,340
CURRENT FILING DATE: 2001-05-20; 1670
PRIOR FILING DATE: 2000-05-17
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentm Ver. 2.1
LENGTH: 255
TYPE: DNA
ORGANISM: Micromonospora halophytica
US-09-855-340-b

Query Match      70.4%; Score 24; DB 9; Length 255;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 GGGATCAATCCCATCATGATGACCC 33
DB      96 GGGATCAATCCCATCATGATGACCC 119

RESULT 8
US-09-855-340-b
Sequence 1: Application US/02052220
Publication No. US2003017065A1
ORGANISM: Micromonospora halophytica
APPLICANT: Hoechst, Amgen, Ciba, Thomas J.
FILE REFERENCE: 100164K
TITLE OF INVENTION: Thermostable and Uses Thereof
TITLE OF INVENTION: Nucleic Acid Sequence of the Mycoplasma genitalium Genome, Fragment
FILE REFERENCE: 100164K
CURRENT FILING DATE: 2002-07-26
PRIOR APPLICATION NUMBER: US 08/545,528
PRIOR FILING DATE: 2002-07-26
PRIOR APPLICATION NUMBER: US 08/488,018
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: US 08/473,545
NUMBER OF SEQ ID NOS: 12; 06-07
SOFTWARE: Patentm version 3.1
SEQ ID NO 1
SEQUENCE: 315
TYPE: DNA
US-09-855-340-b

ORGANISM: Mycoplasma genitalium
US-10-205-220-1
Query Match      62.9%; Score 23.4; DB 16; Length 580073;
Best Local Similarity 95.8%; Pred. No. 13;
Matches 23; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      10 GGGATCAATCCCATCATGATGACCC 33
DB      445128 GGGATCAATCCCATCATGATGACCC 445151

RESULT 9
US-10-205-220-1
Sequence 4606: Application US/1067701
Publication No. US2004017264A1
ORGANISM: Mycoplasma genitalium
APPLICANT: Kowalek, David K.
APPLICANT: Zhou, Yihua
FILE REFERENCE: 100164K
TITLE OF INVENTION: Plasmid and Uses Thereof For Plant Improvement
FILE REFERENCE: 38-21(5335)B
CURRENT FILING DATE: 2004-06/18/767, 701
NUMBER OF SEQ ID NOS: 63128
SEQ ID NO 4606
LENGTH: 633
TYPE: DNA
ORGANISM: Mycoplasma genitalium
OTHER INFORMATION: Clone ID: SGRB1-284M03-CL088396511
US-10-205-220-1

Query Match      62.9%; Score 21.4; DB 18; Length 623;
Best Local Similarity 80.4%; Pred. No. 18;
Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY      3 CCGATGACGGATCAATCCCATCATGATGACCC 33
DB      382 CCGATGACGGATCAATCCCATCATGATGACCC 352

RESULT 10
US-10-205-220-1
Sequence 116427: Application US/10424599
Publication No. US2004031072A1
ORGANISM: Mycoplasma genitalium
APPLICANT: Kowalek, David K.
APPLICANT: Zhou, Yihua
FILE REFERENCE: 100164K
TITLE OF INVENTION: Plasmid and Uses Thereof For Plant Improvement
FILE REFERENCE: 38-21(5332)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2004-06/18/767, 701
NUMBER OF SEQ ID NOS: 28664
SEQ ID NO 116427
LENGTH: 298
TYPE: DNA
ORGANISM: Glycine max
FEATURES:
LOCATION: 11(1298)
OTHER INFORMATION: unuse at all n locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MH3847_7644C.1
US-10-424-599-116427

Query Match      60.4%; Score 20.6; DB 17; Length 298;
Best Local Similarity 78.4%; Pred. No. 17;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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Mon Apr 18 09:47:32 2005

us-09-855-340b-3.rmpb

RESULT 15
US-10-765-071-24
Sequence 24, Application US/10265071
Publication No. US2003014785A1
GENERAL INFORMATION
INVENTOR: Steven D.
APPLICANT: Hemmerich, Stefan
TITLE OF INVENTION: Solid seeds and methods of use thereof
CURRENT PILING DATE: 2003-01-22
CURRENT APPLICATION NUMBER: US/10/265,071
PRIOR APPLICATION NUMBER: 2003-01-22
PRIOR PILING DATE: 2003-01-22
PRIOR APPLICATION NUMBER: 60/267,831
PRIOR PILING DATE: 2001-09-02
PRIOR APPLICATION NUMBER: 60/267,831
PRIOR PILING DATE: 2001-09-02
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 21936
SEQUENCE: 171936
TYPE: DNA
ORGANISM: Mus musculus
Query Match 57.6%; Score 19.6; DB 15; Length 171936;
Best Local Similarity 84.6%; Pied No. 2e-02; 4; Indels 0; Gaps 0;
Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
9 CGGGTCAATCCGACGACGACCGG 34
DB 20349 CGAGTCAATCCGACGACGACCG 20374
Search completed: April 15, 2005, 22:51:32
Job time : 40.1422 secs

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LENGTH: 1781
 TYPE: DNA
 ORGANISM: Mycrococcus xanthus
 US-09-902-540-180

Query Match 61.2%; Score 20.8; DB 4; Length 1781;
 Best Local Similarity 61.2%; Pred. No. 28;

Matches 22; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

DB 1396 GGGGTTCATTCCTGATTCGATCC 1399

RESULT 3
 US-09-790-988-1/c

Sequence 1; Application US/09790988

Patent No. 683235

APPLICANT: SHIGEMOTO, SHUJI

APPLICANT: MATSUMOTO, MITSUHI

APPLICANT: MATSUMOTO, MITSUHI

FILE REFERENCE: 081356/0159

CURRENT APPLICATION NUMBER: US/09/790,988

PRIOR APPLICATION NUMBER: JP2000-107160

PRIOR FILING DATE: 2000-04-07

NUMBER OF SEQ ID NOS: 7

SEQ ID NO 1

LENGTH: 640681

TYPE: DNA

ORGANISM: Buchnera sp.

Query Match 57.6%; Score 19.6; DB 4; Length 640681;
 Best Local Similarity 57.6%; Pred. No. 37;

Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

DB 640681 GGGGTTCATTCCTGATTCGATCC 640683

RESULT 4
 US-09-134-000C-892/c

Sequence 892; Application US/09134000C

Patent No. 683235

APPLICANT: Lymn Boucette-Stamm et al

FILE REFERENCE: 081356/0159

CURRENT APPLICATION NUMBER: US/09/134,000C

PRIOR FILING DATE: 1998-08-13

NUMBER OF SEQ ID NOS: 6812

SOFTWARE: Patent version 3.1

TYPE: DNA

ORGANISM: Enterococcus faecalis

Query Match 56.5%; Score 19.2; DB 4; Length 306;
 Best Local Similarity 87.5%; Pred. No. 28;

Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

DB 10 GGGGTTCATTCCTGATTCGATCC 33

DB 251 GGGGTTCATTCCTGATTCGATCC 228

RESULT 5
 US-09-711-164-7

Sequence 7; Application US/09711164

Patent No. 683978

APPLICANT: Forsyth, R. Allen

APPLICANT: Ohlson, Karl

FILE REFERENCE: 081356/0159

CURRENT APPLICATION NUMBER: US/09/711,164

PRIOR APPLICATION NUMBER: US/09/664415

PRIOR FILING DATE: 1999-11-9

NUMBER OF SEQ ID NOS: 469

SEQ ID NO 7

LENGTH: 839

TYPE: DNA

ORGANISM: Escherichia coli

NAME/KEY: misc feature

LOCATION: (1)-(839)

OTHER INFORMATION: n = A, T, C or G

US-09-711-164-7

Query Match 56.5%; Score 19.2; DB 4; Length 839;
 Best Local Similarity 72.7%; Pred. No. 37;

Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

DB 640 GGGGTTCATTCCTGATTCGATCC 640

RESULT 6
 US-09-502-540-9122/c

Sequence 9122; Application US/0902540

Patent No. 683447

APPLICANT: Barry S.

APPLICANT: Slater, Steven C.

FILE REFERENCE: 081356/0159

CURRENT APPLICATION NUMBER: US/09/302,540

PRIOR APPLICATION NUMBER: US/01/11,683

PRIOR FILING DATE: 2000-07-10

NUMBER OF SEQ ID NOS: 16825

SEQ ID NO 3103

LENGTH: 839

TYPE: DNA

ORGANISM: Mycrococcus xanthus

US-09-502-540-9122

Query Match 56.5%; Score 19.2; DB 4; Length 1203;
 Best Local Similarity 75.0%; Pred. No. 41;

Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

DB 3 GGGGTTCATTCCTGATTCGATCC 34

RESULT 7
 US-09-902-540-978

Sequence 978; Application US/0902540

Patent No. 683447

US-09-902-540-978


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Query Match      55.3% Score 18.8; DB 2; Length 596;
Best Local Similarity 69.7% Pwd No. 51;
KdCage 23; Conservative 0; Mismatches 10; Indels 0; Gaps
Oy 1 CCCCCGAGCGTCATCCATCCCATCGATCC 33
DB 497 CCCCAGACGACATCAAGCGCCATCATATGCC 529

RESULT 3
US-09-573-080A-42/c
Patent No. 682697
GENERAL INFORMATION:
APPLICANT: JOAN, KNOLL
TITLE OF INVENTION: SINGLE COPY GENOMIC HYBRIDIZATION PROBES AND METHODS
FILE REFERENCE: 30307
CURRENT APPLICATION NUMBER: US/09/573,080A
NUMBER OF SEQ ID NOS: 4179-05-16
SOFTWARE: PatentIn version 3.10
SEQ ID NO 427
LENGTH: 3037
TYPES: CDS
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: Repeat region
OTHER INFORMATION: hcvr166
NAME/KEY: altc feature
OTHER INFORMATION: n 18 a, c, g or t
PUBLICATION INFORMATION:
AUTHORS: Jurka, J/ Malchewicz, J/ Miłoszewicz, A
TITLE: Prototypic sequences for human repetitive DNA
VOLUME: 35
ISSUE: 4
PAGES: 286-291
DATE: 1992-10-01
LOCATION NUMBER: Databases of repetitive elements (rephase)
DATABASE ENTRY DATE: 1996-01-26
DATABASE ENTRY DATE: 1996-01-26
US-09-573-080A-42

Query Match      55.3% Score 18.8; DB 4; Length 1037;
Best Local Similarity 76.7% Pwd. No. 8;
Matches 23; Conservative 7; Indels 0; Gaps
Oy 1 CCCCCGAGCGTCATCCATCCCATCGATCA 30
DB 1713 CCCCAGACGACATCAAGCGCCATCATATGCC 1684

RESULT 10
US-09-221-017B-256/c
Sequence 256; Application US/09221017B
GENERAL INFORMATION:
APPLICANT: Ross Bruce C.
TITLE OF INVENTION: P. GINIVIALIS NUCLEOTIDES AND USES THEREOF
CORRESPONDENCE ADDRESS: 110
ADDRESS: MORRISON & FORSTER
STREET: 755 PACE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
INVENTOR: MORRISON, BRUCE C.
PUBLICATION DATE: 1997-01-01

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OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT APPLICATION NUMBER: 11, Version #1.25
APPLICATION NUMBER: US/07/925, 695
FILING DATE: 1992/08/07
PRIOR APPLICATION NUMBER: JP 360441/91
FILING DATE: 09-AUG-1991
APPLICATION NUMBER: JP 287402/91
FILING DATE: 05-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: WEILACHER, ROBERT G.
FIRM: WEILACHER, ROBERT G., 20, 531
TELEPHONE: (712) 595-2511
TELEX: WMI 64470
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
TYPE: NUCLEIC ACID
STRANDNESS: single
TOPLOGY: linear
US-07-925-695-6
Query Match 55.3%; Score 18.8; DB 1, Length 9511;
Best Local Similarity: 66.7%; Pred. No. 1,16; Indel 0;
Matches 20; Conservative 3; Mismatches 7; Gaps 0
2 CCGGGAATGCGGTGATTCCTCATCTGCTGATCA 31
Db 4407 CCGGGAATGCGGTGATTCCTCATCTGCTGATCA 4436
RESULT 12
US-07-925-695-7 Application US/0795695
Patent No. 5,628,145
GENERAL INFORMATION:
APPLICANT: OKANOJO, HIROAKI
TITLE OF INVENTION: NON-B HEPATITIS VIRUS GENOME,
TITLE OF INVENTION: POLYNUCLEOTIDES, POLYPEPTIDES, ANTIGEN, ANTIBODY AND
NUMBER OF SEQUENCES 3
NUMBER OF SEQUENCES 3
ADDRESSER: Beveridge, DeGiandi, Weilacher & Young
CITY: Washington
STATE: DISTRICT OF COLUMBIA
ZIP: 20006
COMPUTER READABLE FORM: disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
APPLICATION NUMBER: US/07/925, 695
FILING DATE: 1992/08/07
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: JP 287402/91
FILING DATE: 09-AUG-1991
APPLICATION NUMBER: JP 360441/91
ATTORNEY/AGENT INFORMATION:
NAME: Weilacher, Robert G.
REGISTRATION NUMBER: 20,531

SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/387,389
 FILING DATE: 17-JAN-1996
 PRIORITY DATE: 17-JAN-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/307,444
 FILING DATE: 19-SEP-1994
 PRIORITY DATE: 19-SEP-1994
 NAME: CLIFF, JAMES A.
 REGISTRATION NUMBER: 27,075
 REFERENCE/DOCKET NUMBER: JMO 27706
 TRADEMARK/REGISTERED NUMBER: 40001
 TELEPHONE: (703) 836-6400
 TELEFAX: (703) 836-2787
 INVENTOR: JAMES A. CLIFF
 LENGTH: 2463 bases
 TYPE: nucleic acid
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 REPRODUCTION: NO
 US-08-587-389-10

Query Match 54.7%, Score 18.6, DB 1, Length 2463,
 Sequence Similarity 52.7%, 12.5% Mismatches
 Machine 24, Conservative 0, Mismatches 9, Indels 0, Gaps 0;
 QY 1 CCCCCCAAGCTTCAATTCCTCATGACGACC 33
 DB 2336 CCGAGAACTGGCCATCTCACTCAATATACC 2376

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 Job time : 15.1983 secs